Mail Label ED005050817US

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. ĎEPARTMENT OF COMMERCE Beder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO 10/661,709 **Application Number** 09/12/2003 Filing Date INFORMATION DISCLOSURE First Named Inventor Blauvelt et al. STATEMENT BY APPLICANT Art Unit 2878 **Examiner Name** Suezu Y Ellis (Use as many sheets as necessary) XPNT22NP Sheet of 3 Attorney Docket Number

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number - Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SYE	 	US- 2002-0172459 A1	11-21-2002	Baily et al	
SYE	 	US- 5,344,746	09-06-1994	Vettiger et al	
SYE		US- 5,793,062	08-11-1998	Kish et al	
sye		US- 5,932,114	08-03-1999	Makluchi	
Sye		US- 6,108,472	08-22-2000	Rickman et al	
SYE		US- 6,229,160	05-08-2001	Krames et al	
SYE		US- 6,246,097	06-12-2001	Kato et al	
SYE		US- 6,323,063	11-27-2001	Krames et al	
SYE		US- 6,339,607 B1	01-15-2002	Jiang et al	
SYE		US- 6,570,190	05-27-2003	Krames et al	
SYE		US- 6,617,568	09-09-2003	Matsuda	
SYE		US- 6,753,587	06-22-2004	Furuya et al	
SYE		US- 6,768,136	07-27-2004	Eisert et al	
SYE		US- 6,921,956 B2	07-26-2005	Yang et al	
		US-			·
		US-			
		US-			

· · · · · · · · · · · · · · · · · · ·		FOREIG	N PATENT DOCUM	RENTS		
		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	
Examiner Initials*	Cite No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	₽
						-
					-	
						\vdash
	 					

Examiner Signature	Suezu	alli.	Date Considered	170005

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁸Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b (08-03)
Approved for use through 06/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute	for form 1449B/PTO			Complete If Known		
Ģaboulo.o	,			Application Number	10/661,709	
INFO	RMATION DISC	a osi	URF	Filing Date	09/12/2003	
	TEMENT BY AP			First Named Inventor	Blauvelt et al.	
SIA	I ENIENI DI AF	PLICA	414 1	Art Unit	2878	
	(Use as many sheets as ne	cessary)		Examiner Name	Suezu Y Ellis	
Sheet	2	of	3	Attorney Docket Number	XPNT22NP	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
SYE		BAZYLENKO ET AL, Fabrication of Light-Turning Mirrors in Buried-Channel silica Waveguides for Monolithic and Hybrid Integration, Journal of Lightwave Technology, 01/1997, Page(s) 148-153, Volume 15, Number 1	
SYE		BOUADMA ET AL, 1.3-um GalnAsP/InP Buried-Ridge-Structure Laser and its Monolithic Integration with Photodetector Using RI Beam Etching, Journal of Lightwave Technology, 05/1994, Page(s) 742-748, Volume 12, Number 5	
SYE		CHAO ET AL, Fresnel Analysis of Effective Mirror Reflectivity in Folded-Cavity In-Plane Surface-Emitting Lasers, IEEE Photonics Technology Letters, 04/1993, Page(s) 390-392, Volume 4, Number 4	
SYE		FUKANO ET AL, A Low-Cost Edge-Illuminated Refracting-Facet Photodiode Module with Large Bandwidth and High Responsivity, Journal of Lightwave Technology, 01/2000, Page(s) 79-83, Volume 18, Number 1	
SYE		FUKANO ET AL, High-Responsivity and Low-Operation-Voltage Edge-Illuminated Refracting-Facet Photodiodes with Large Alignment Tolerance, Journal of Lightwave Technology, 05/1997, Page(s) 894-899, Volume 15, Number 5	
SYE		FUKANO ET AL, Edge-illuminated refracting-facet photodiode with high responsivity and low-operation voltage, Electronics Letters, 12/05/1996, Page(s) 2346-2348, Volume 32, Number 25	
SYE		GFELLER ET AL, 50 mW CW-Operated Single-Mode Surface-Emitting AlGaAs Lasers with 45 deg Total Reflection Mirrors, IEEE Photonics Technology Letters, 07/1992, Page(s) 698-700, Volume 4, Number 7	
SYE		HILLERINGMANN ET AL, Optoelectronic System Integration on Silicon:Waveguides, Photodetectors, and VLSI CMOS Circuits on One Chip, IEEE Transactions on Electron Devices, 05/1995, Page(s) 841-846, Volume 42, Number 5	
SYE		JONES ET AL, Hybrid integration onto silicon motherboards with planar silica waveguides, IEE Proc. Optoelectron., 10/1996, Page(s) 316-321, Volume 143, Number 5	
SYE		KATO ET AL, Large Coupling Tolerance Side-Illuminated Mirror Photodiode for Low-Cost Surface Hybrid Integration, IEEE Photonics Technology Letters, 06/1999, Page(s) 709-711, Volume 11, Number 6	
SYE		STRANDMAN ET AL, Fabrication of 45 deg Mirrors Together with Well-Defined V-Grooved Using Wet Anisotropic Etching of Silicon, Journal of Microelectromechanical Systems, 12/1995, Page(s) 213-219, Volume 4, Number 4	

Examiner Date Considered 170CTOS				
	Examiner Signature	Sugar Elli	Date Considered	1700705

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation in not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application from to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b (08-03)
Approved for use through 06/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Subst	titute for form 1449B/PTO			Complete if Known		
				Application Number	10/661,709	
IN	FORMATION DISC	CLOSI	IRE	Filing Date	09/12/2003	
STATEMENT BY APPLICANT				First Named Inventor	Blauvelt et al.	
31	AIEMENIDIAF	FLICA	414.1	Art Unit	2878	
	(Use as many sheets as ne	cessary)		Examiner Name	Suezu Y Ellis	
Sheet	3	of	3	Attorney Docket Number	XPNT22NP	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
Sye		TERUI ET AL, Novel Micromirror for Vertical Optical Path Conversion Formed in Silica-Based PLC Using Wettability Control of Resin, Journal of Lightwave Technology, 09/1998, Page(s) 1631-1639, Volume 16, Number 9	
SYE		ZURHELLE ET AL, Highly Efficient Waveguide-Detector Coupling Structures for Integrated Opto-Electronical Circuits on Silicon, Journal of Lightwave Technology, 03/1996, Page(s) 410-416, Volume 14, Number 3	
		·	
		·	

Examiner Signature	Sugar	Elli	Date Considered	170 CT 05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.